

Virginia Division of Consolidated Laboratory Services- Richmond, VA

Nitrate + Nitrite by Astoria Analyzer Astoria Analyzer A173					
Facility Name: _____ VELAP ID _____					
Assessor Name: _____ Analyst Name: _____ Inspection Date _____					
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst: _____					
Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____					
1) If analyzing for Nitrite <b>OR</b> Nitrate, are samples preserved in the following manner: <u>Nonpotable</u> : ≤ 6°C, analyzed within 48 hours of collection <u>Drinking water</u> : ≤ 6°C, analyzed within 48 hours unless chlorinated, for which nitrate can be held up to 14 days	40 CFR 136.3 Table II, 40CFR 141.23 (k)(2), EPA 815-R-05-004				
2) If analyzing for Nitrate-Nitrite, are samples preserved to pH <2 with sulfuric acid, preserved by storing at ≤6°C, and analyzed within 28 days of collection?	40 CFR 136.3 Table II, 40CFR 141.23 (k)(2)				
3) Are turbid samples filtered prior to analysis?	C				
4) Are samples adjusted to pH 5 to 9 prior to analysis?	C				
5) Are samples analyzed as soon as possible if unpreserved, or are samples preserved with sulfuric acid to pH < 2 and analyzed within 28 days?	D				
6) If samples are analyzed for nitrate or nitrite separately, are they not acid preserved and analyzed within 48 hours?	D				
7) Are all samples refrigerated at ≤6°C?	40CFR136.3				
8) Is the color reagent stored in a brown bottle, refrigerated at 2-8°C, and discarded if it turns dark pink?	F.3				
9) Is reduction efficiency determined to be within 90-110%?	F.6.f				
10) Is the instrument set up using the tubing diameters and software specifications per the manufacturer?	H				
11) Are reagents allowed to run through they system for 5 to 10 minutes prior to analyzing samples, to establish a stable baseline?	H.9				
Notes/Comments:					